



Crooker named Optical Society Fellow

January 23, 2014

Scott Crooker of LANL's Condensed Matter and Magnet Science group is a 2014 Fellow of the Optical Society (OSA). The Society selected 71 new Fellows based on their overall impact on optics, as gauged through specific scientific, engineering and technological contributions, significant publications or patents related to optics, technical leadership in the field and service to OSA and the global optics community.

Crooker's achievements

The Optical Society recognized Crooker for “the development and application of magneto-optical spectroscopies to colloidal quantum dots and to electron spin transport and noise in semiconductors.”

Crooker holds a doctorate in Physics from the University of California, Santa Barbara. He joined LANL in 1998 as a Director's Postdoctoral Fellow at the National High Magnetic Field Laboratory (NHMFL) and became a staff member in 2000. Crooker's research focuses on the development of ultra-sensitive optical techniques to measure the static and dynamic properties of electron spins and magnetization in semiconductor materials and colloidal nanocrystals. He is a Fellow of the American Physical Society and a recipient of the 2007 LANL Fellows' Prize for Research.

About the Optical Society

Founded in 1916, the OSA has more than 18,000 members worldwide and produces publications and conference papers on the science of light and its applications. The number of Fellows, who are nominated by other OSA members, is restricted to 10 percent of the total Society membership. Crooker is only the fifth LANL employee to receive the honor of Optical Society Fellow.

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